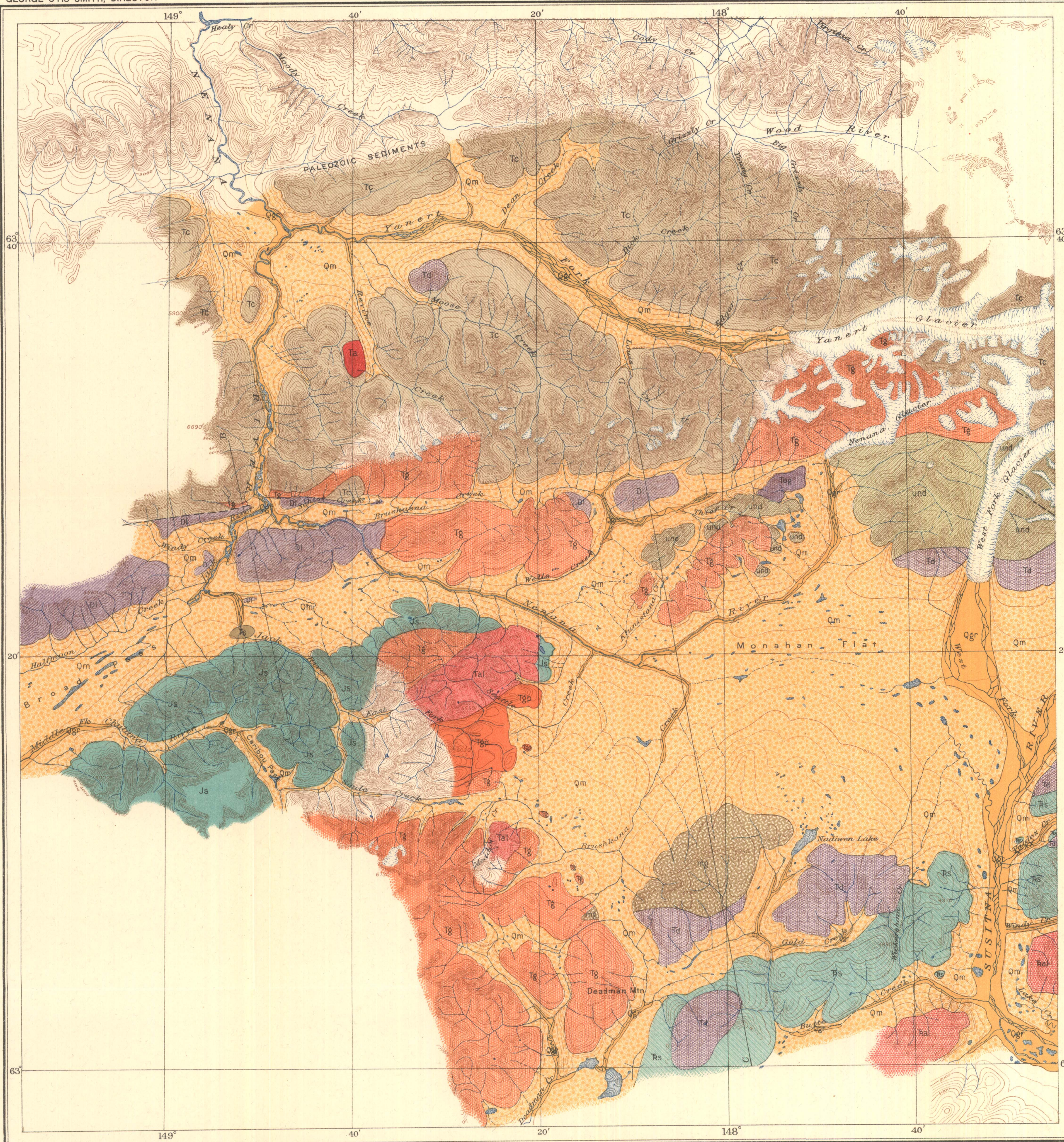


Recent	Qgr	Stream gravels, sands, and silts, with some glacial deposits	QUATERNARY
	Qm	Glacial gravels, sands, and silts and morainal deposits	
	Ts	Shale, sandstone, and conglomerate, slightly indurated	TERTIARY
Eocene	Tc	Cantwell formation (heavy beds of massive to schistose conglomerate, with intercalated beds of sandstone, graywacke, argillite, and carbonaceous shale and slate carrying leaf impressions)	
	und	Undifferentiated Mesozoic (?) (gently folded limestones and argillites of variegated aspect, more or less silicified; closely folded slate and gray thin-bedded limestones, with intercalations of schistose graywacke; gently folded white silicified limestone with some blue slate)	JURASSIC?
	Js	Closely folded dark-blue slate with beds of conglomerate, graywacke, and impure, more or less altered limestone	
Upper Triassic?	Fs	Slate with intercalated beds of coarser sediments (graywacke, arkose, etc.), closely folded and in part schistose	TRIASSIC?
	Tal	Amygdaloidal lava flows (basalt and andesite) with intercalated tuffaceous beds	
Middle or Upper Devonian	D	Limestone, more or less silicified and altered, with some slate and mashed conglomerate	DEVONIAN
IGNEOUS ROCKS			
Post-Eocene	Ta	Amygdaloidal andesite	TERTIARY
Post-Eocene?	Tal	Acidic lava flows, mostly rhyolite and trachyte, with some andesite	
	Tgp	Granite porphyry	
Post-Eocene (in part)	Ts	Granite with some quartz monzonite	
Post-Jurassic?	Tog	Olivine gabbro	TERTIARY?
Post-Triassic	Td	Quartz diorite and quartz monzonite	
Pre-Tertiary	Tg	Gneiss (altered granular intrusive)	JURASSIC?
		Fault	
	X	Gold placer	



Alfred H. Brooks, Geologist in charge of division  
Topography by J. W. Bagley and D. C. Witherspoon  
Surveyed in 1910 and 1913

# GEOLOGIC RECONNAISSANCE MAP OF THE BROAD PASS REGION, ALASKA

Geology by Fred H. Moffit,  
B. L. Johnson, and J. E. Pogue  
Surveyed in 1910 and 1913

